

Work Order ID 64320

Page 1

Thursday, December 02, 2010 11:14:08 AM

Item ID: D412-702-123B

Accept



Setup Start



Revision ID:

Item Name: Harness Assembly

Stop



Start Date: 12/2/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 12/9/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: CMT

Date: 10/12/02

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
DSI 9469	A

50



DC

Document Control

Memo

0.00

100



Packaging

Packaging

Pick Kit

0.00

110



Small Fab

Small Fab

Memo

0.00

0.00

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 64320

Thursday, December 02, 2010 11:14:08 AM



Page 2

Item ID: D412-702-123B

Revision ID:

Item Name: Harness Assembly

Start Date: 12/2/2010 Start Qty: 1.00

Required Date: 12/9/2010 Req'd Qty: 1.00

Reference:

Approvals: Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run

Start



QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

Sequence ID/
Work Center ID

120



QC

Quality Control

Operation
Description

QC5- Inspect part completeness to step on W/O

Set Up/
Run Hours

0.00

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

S101062

FD

130



Packaging

Packaging

Memo

0.00

Memo

0.00

Identify and pack for shipping as per PPP D412-702-123B / DSI 9469
Location: 214
PPP rev: _____

10/10/10 SL P

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/12/10 J
MF
10-12-03

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Thursday, December 02, 2010 11:14:07 AM

Page 1

Work Order ID: 64320



Parent Item: D412-702-123B



Parent Item Name: Harness Assembly

Start Date: 12/2/2010

Required Date: 12/9/2010

Start Qty: 1.00

Required Qty: 1.00

Comments:

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Thursday, December 02, 2010 11:14:07 AM

Page 2

Work Order ID: 64320



Parent Item: D412-702-123B



Parent Item Name: Harness Assembly

Start Date: 12/2/2010

Required Date: 12/9/2010

Start Qty: 1.00

Required Qty: 1.00

MS21042L3



Purchased No

Each 1,319.000



1

RF
EP 10/12/02

Nut

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST300	1319	
114784	323	
115835	996	

D3569-3



Manufactured No

Each 4.0000



1

Decal

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST245A	4	
56385	2	
59891	2	

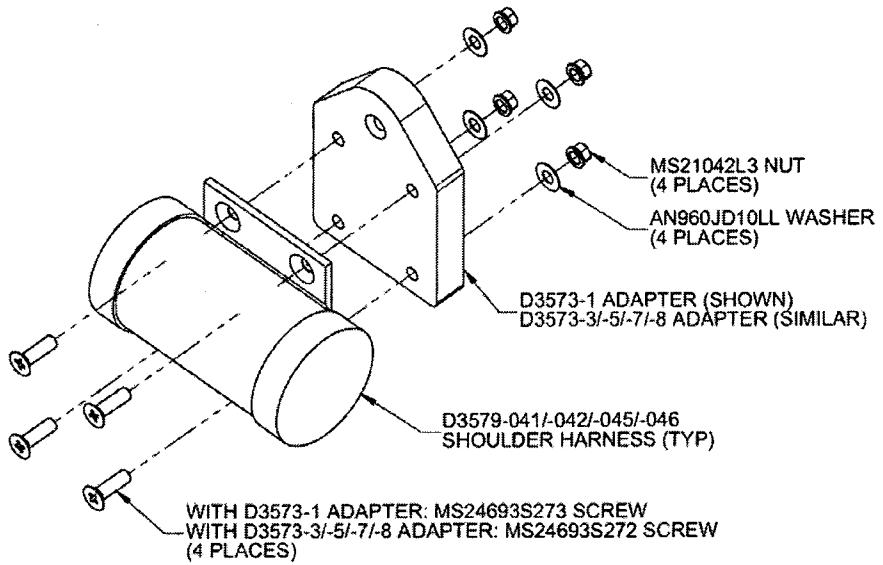
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

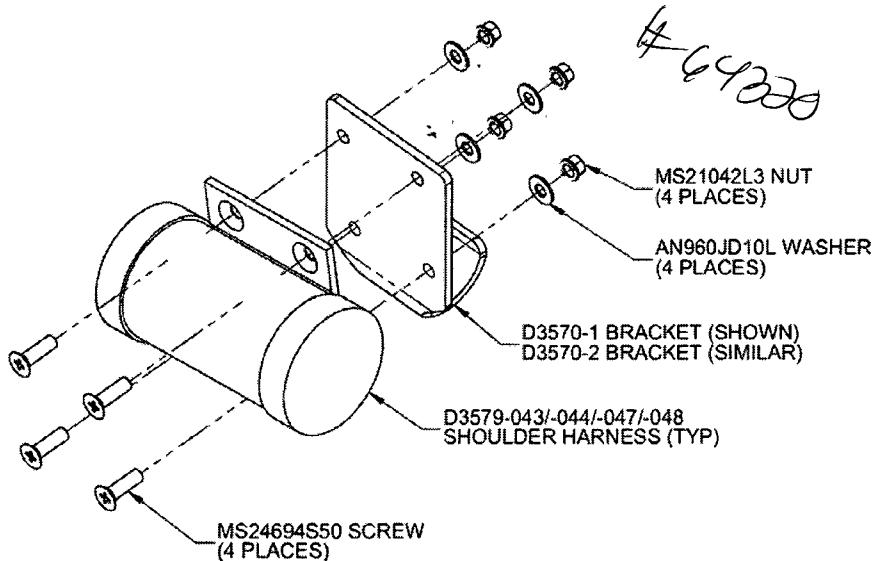
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DETAIL 'K' D412-702-101A/-103A/-105A/-107A/-109A/-115A/-117A AND
D412-702-101B/-103B/-105B/-107B/-109B/-115B/-117B HARNESS ASSEMBLIES
(BELTS, K6.2 CLIP AND D3569-1/-2/-3 DECAL NOT SHOWN)



DETAIL 'L' D412-702-111A/-111B/-113A/-113B HARNESS ASSEMBLIES
(BELTS AND D3569-1/-2/-3 DECALS NOT SHOWN)

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25-00-00

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3

REF TCCA STC: SH04-7

REF FAA STC: SR01997NY

REF EASA STC: EASA.IM.R.S.00710

REFERENCE ONLY

PURPOSE:

Update the D412-702-041A/045A/041B/-045B kits for compatibility with the Dart D412-769-011 Aft Facing Seat Kit.

CHANGE:

Quantity (1) each of D412-702-111A/-113A is replaced with D412-702-121A/-123A. Also Qty (4) x AN4-27A bolts are added to the kits for compatibility with the Dart seat. The parts list in section 25.28 (pg. 87) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 38) of IIN-D412-702 Rev. E is amended as follows:

QTY -041A	QTY -043A	QTY -045A	QTY -047A	QTY -049A	PART NUMBER	DESCRIPTION
X					D412-702-041A	Dart 13-Man 3-Point Shoulder Harness Kit
		X			D412-702-045A	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit

IS:

1	1			D412-702-111A	HARNESS ASSEMBLY (EXISTING)
1	1			D412-702-121A	HARNESS ASSEMBLY (NEW)
1*	1*			D3570-3	BRACKET
1*	1*			D3579-043	SHOULDER HARNESS
4*	4*			MS24694S50	SCREW
4*	4*			AN960JD10L	WASHER
1*	1*			MS21042L3	NUT
1*	1*			D3569-1	DECAL
1	1			D412-702-113A	HARNESS ASSEMBLY (EXISTING)
1	1			D412-702-123A	HARNESS ASSEMBLY (NEW)
1*	1*			D3570-4	BRACKET
1*	1*			D3579-044	SHOULDER HARNESS
4*	4*			MS24694S50	SCREW
4*	4*			AN960JD10L	WASHER
1*	1*			MS21042L3	NUT
1*	1*			D3569-2	DECAL
4	4			AN4-27A	BOLT (NEW)

WAS:

2	2			D412-702-111A	HARNESS ASSEMBLY
2	2			D412-702-113A	HARNESS ASSEMBLY

* DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01
APPROVED
BY: <u>D. SHEPHERD (DE # 02)</u>
DATE: <u>09.06.30</u>
CERT. NO.: <u>SH04-7</u>
ISSUE NO.: <u>3</u>

A	NEW ISSUE, NCR 09-068	CP	09.06.30
REV.	DESCRIPTION	BY	DATE
DESIGN	<u>92</u>	DART AEROSPACE LTD	
DRAWN	<u>92</u>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<u>1</u>	DRAWING NO.	
MFG. APPR.	<u>N/A</u>	DSI 9469	
APPROVED	<u> </u>	REV. A	
DE APPR.	<u> </u>	SHEET 1 OF 5	
DATE	09.06.30	SCALE	NTS
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REFERENCE ONLY

The parts list in section 25.28 (pg. 93) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 40) of IIN-D412-702 Rev. E is amended as follows:

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	PART NUMBER	DESCRIPTION
X					D412-702-041B	Dart 13-Man 3-Point Shoulder Harness Kit
	X				D412-702-045B	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit

IS:

1	1			D412-702-111B	HARNESS ASSEMBLY (EXISTING)
1	1			D412-702-121B	HARNESS ASSEMBLY (NEW)
1*	1*			D3570-3	BRACKET
1*	1*			D3579-047	SHOULDER HARNESS
4*	4*			MS24694S50	SCREW
4*	4*			AN960JD10L	WASHER
1*	1*			MS21042L3	NUT
1*	1*			D3569-3	DECAL
1	1			D412-702-113B	HARNESS ASSEMBLY (EXISTING)
1	1			D412-702-123B	HARNESS ASSEMBLY (NEW)
1*	1*			D3570-4	BRACKET
1*	1*			D3579-048	SHOULDER HARNESS
4*	4*			MS24694S50	SCREW
4*	4*			AN960JD10L	WASHER
1*	1*			MS21042L3	NUT
1*	1*			D3569-3	DECAL
4	4			AN4-27A	BOLT (ADD)

WAS:

2	2			D412-702-111B	HARNESS ASSEMBLY
2	2			D412-702-113B	HARNESS ASSEMBLY

* DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	D. SHEPHERD (DE # 02)
DATE:	09.06.30
CERT. NO.:	SH04-7
ISSUE NO.:	3

DESIGN	97	DART AEROSPACE LTD	
DRAWN	97	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9469	SHEET 2 OF 5
APPROVED		TITLE	SCALE
DE APPR.		AFT-FACING SEAT UPDATE	NTS
DATE	09.06.30	COPYRIGHT © 2009 BY DART AEROSPACE LTD	
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REFERENCE ONLY

Figures 4.8 (pg. 25) of IIN-D412-702 Rev. E and 25.12 (pg. 69) of ICA-D412-702 Rev. 3 are updated as follows:

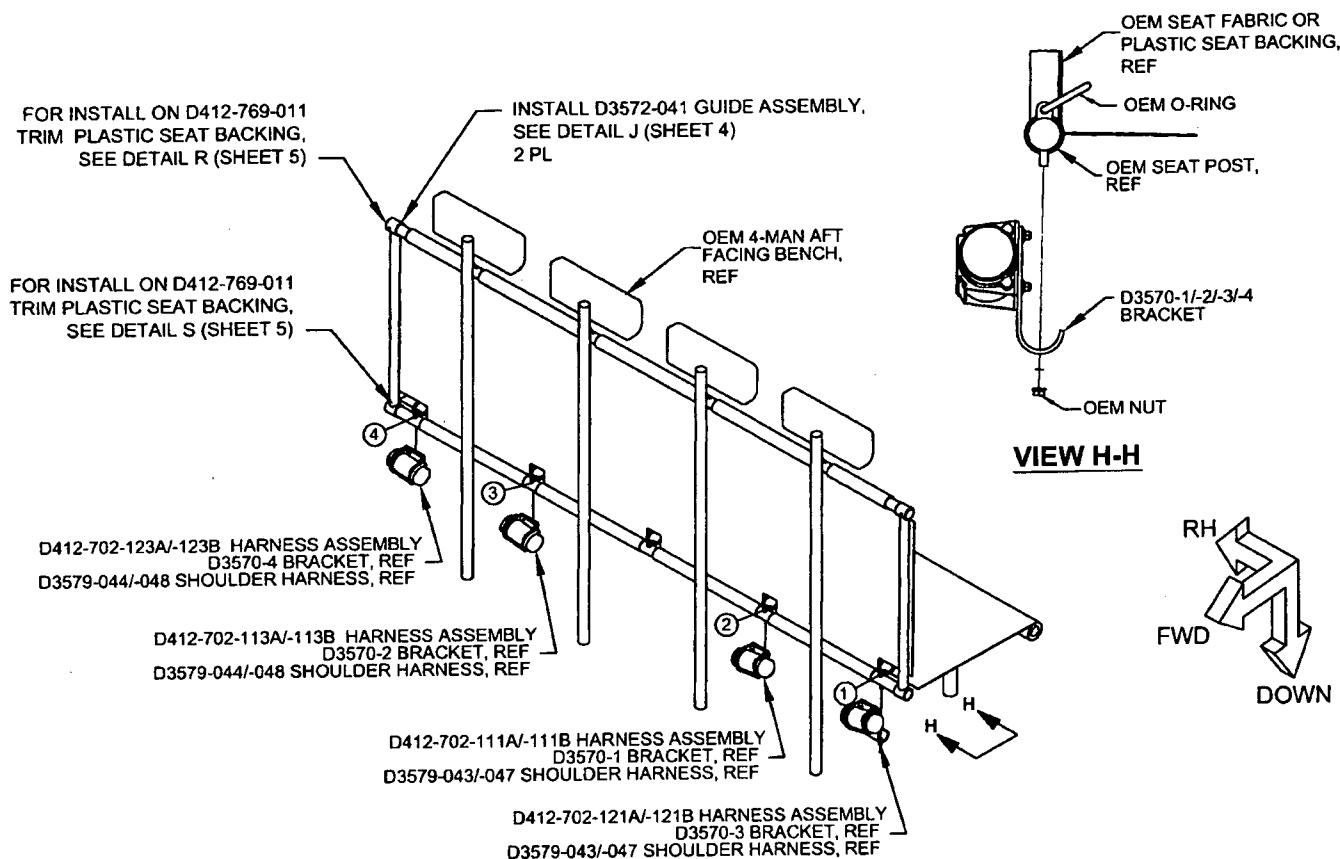
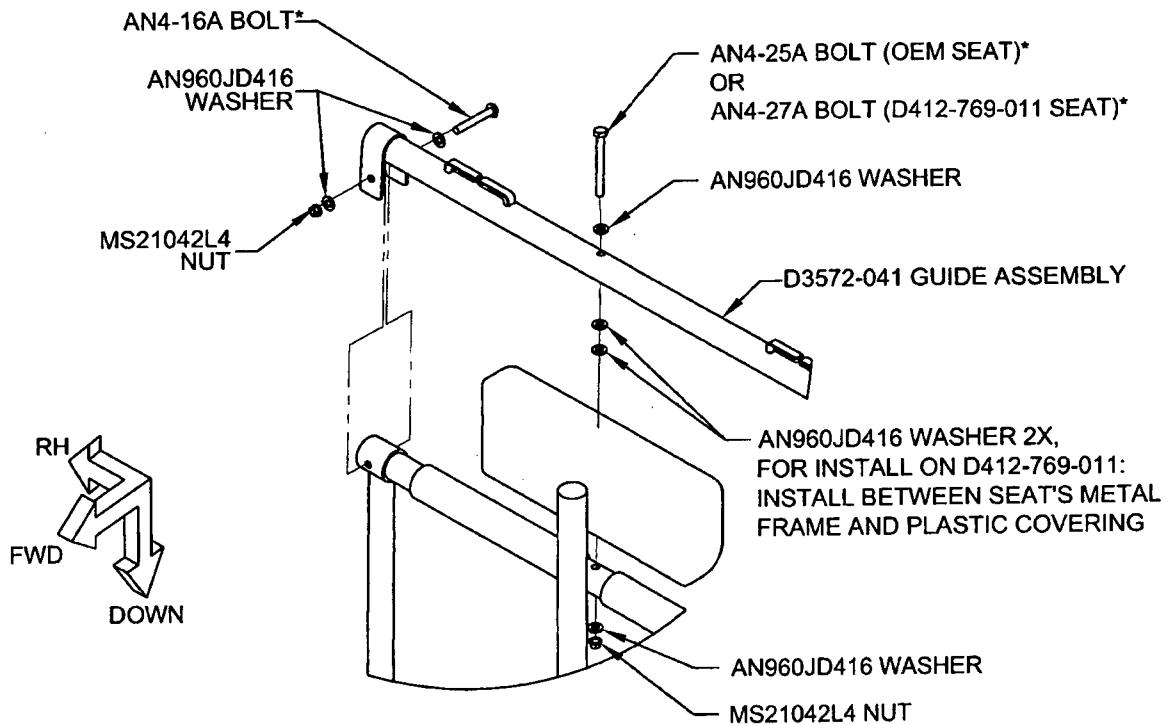


FIGURE 4.8. SHOULDER BELT INSTALLATION
FIGURE 25.12 D412-702-045A/-045B 4-MAN 3-POINT AFT FACING SHOULDER HARNESS KIT

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	<i>[Signature]</i>
D. SHEPHERD (DE #02)	
DATE:	09.06.30
CERT. NO.:	SH04-7
ISSUE NO.:	3

DESIGN	99	DART AEROSPACE LTD	
DRAWN	99	HAWKESBURY, ONTARIO, CANADA	
CHECKED	11	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9469	SHEET 3 OF 5
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	AFT-FACING SEAT UPDATE	NTS
DATE	09.06.30	COPYRIGHT © 2009 BY DART AEROSPACE LTD	
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REFERENCE ONLY

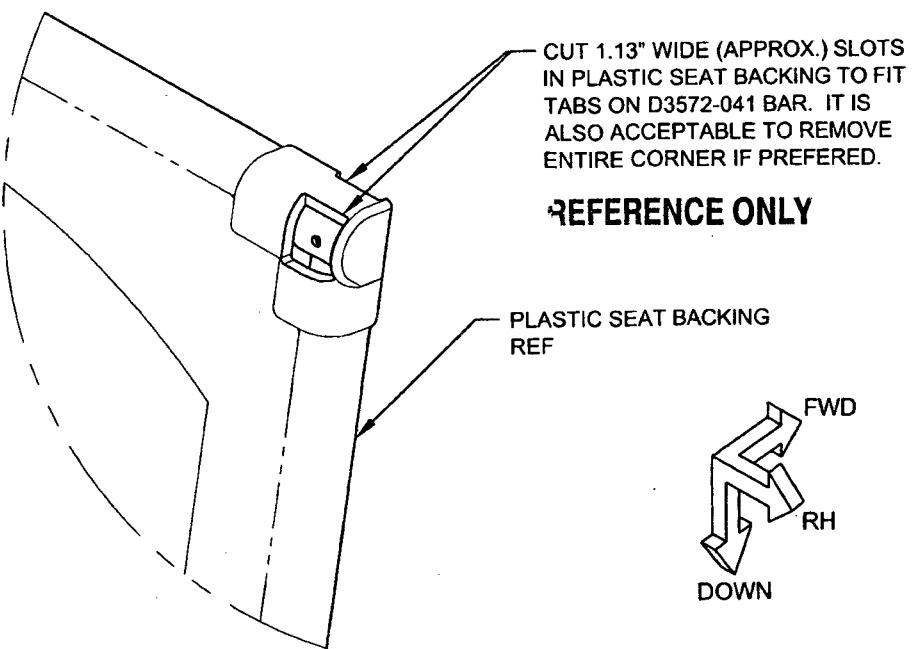


DETAIL J: D3572-041 INSTALLATION
(RH SHOWN, LH OPPOSITE)

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	D. SHEPHERD (DE # 02)
DATE:	09.06.30
CERT. NO.:	SH04-7
ISSUE NO.:	3

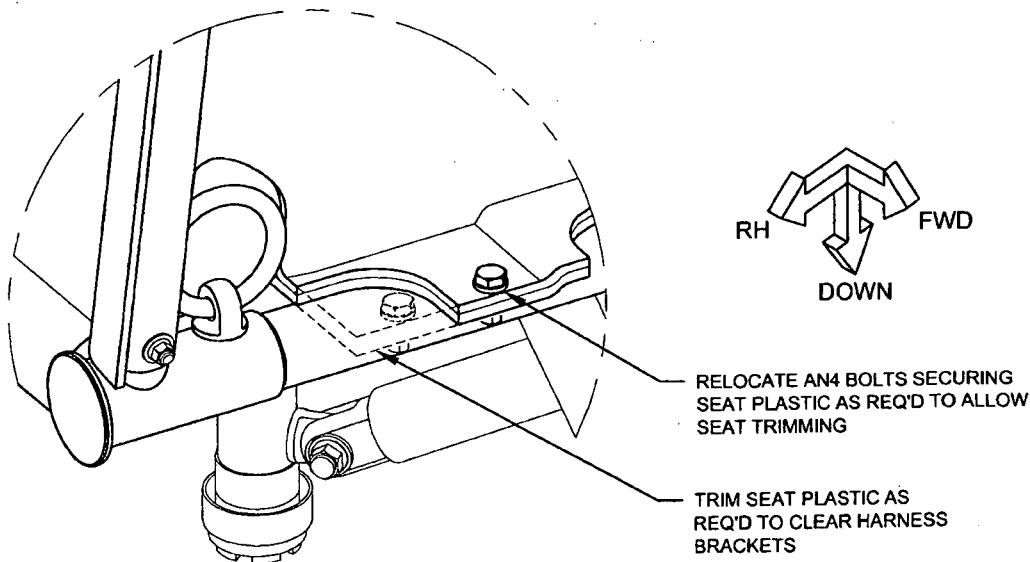
DESIGN	9P	DART AEROSPACE LTD	
DRAWN	9P	HAWKESBURY, ONTARIO, CANADA	
CHECKED	▲	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9469	SHEET 4 OF 5
APPROVED	✓	TITLE	SCALE
DE APPR.	✓	AFT-FACING SEAT UPDATE	
DATE	09.06.30	NTS	

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DETAIL R

VIEW LOOKING AT FRONT OF SEAT BACKING, TOP-RH CORNER SHOWN (TOP-LH CORNER SIMILAR),
FOR INSTALL ON D412-769-011 ONLY



DETAIL S

VIEW LOOKING AT REAR OF SEAT, BOTTOM-RH CORNER SHOWN (BOTTOM-LH CORNER SIMILAR),
FOR INSTALL ON D412-769-011 ONLY

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	<i>[Signature]</i>
D. SHEPHERD (DE # 02)	
DATE:	09.06.30
CERT. NO.:	SH04-7
ISSUE NO.:	3

DESIGN	gp	DART AEROSPACE LTD	
DRAWN	gp	HAWKESBURY, ONTARIO, CANADA	
CHECKED	gp	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9469	SHEET 5 OF 5
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	AFT-FACING SEAT UPDATE	NTS
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